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# PUBLIC NOTICE

**File Number: NRS 14.087**

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Pursuant to Chapter 0400-4-7 of the Department's rules, the proposed activity described below has been submitted for approval under an Aquatic Resource Alteration Permit and §401 Water Quality Certification. This notice is intended to inform interested parties of this permit application and to ask for comments and information necessary to determine possible impacts to water quality. No decision has been made whether to issue or deny this application.

**APPLICANT:** Mr. Khalid Ahmed  
Tennessee Department of Transportation  
Suite 900, James K. Polk Bldg.  
505 Deaderick St.  
Nashville, TN 37243  
615-253-0021

**LOCATION:** State Route 320, East of Brainerd Road; from East of Graysville Road to East of Bell-Air Road, Hamilton County, TN

**PROJECT DESCRIPTION:** The Tennessee Department of Transportation is proposing to construct and widen 2.073 miles of SR-320 from East Graysville Road to east of Bell-Air Road. The new construction will consist of four 12 ft lanes, one 12 ft turn lane, two 4 ft bike lanes, 2 ft curb and gutter, two 5 ft sidewalks and various guardrails. The applicant is proposing to impact 5 streams requiring 1,452 linear feet of mitigation and 7 wetlands requiring 1.64 acres of mitigation. Stream mitigation will be in-system through the Tennessee Stream Mitigation Program. Wetland mitigation will be at a 4:1 ratio from the Sequatchie Valley Wetland Mitigation Bank.

The applicant has coordinated with Tennessee Wildlife Resources Agency concerning the potential impact this activity may have on endangered species. The TWRA has determined that the application, as proposed and with the implementation of the best management practices described within the application, is not likely to jeopardize the continued existence of endangered species within the vicinity of the proposed activity.

**IMPACTS:**

STR-1 Unnamed tributary to Ryall Springs Branch

Latitude: 35.0031 Longitude: -85.1437

Remove 243 linear feet of existing structures

Install 238 linear feet of 8' x 3' RCBC with 8' of riprap at the outlet

Install a gas and water utility line at the north and south side of the culvert

STR-2/2A Unnamed tributary to Ryall Springs Branch

Latitude: 35.0005      Longitude: -85.1305

STR2A

Remove 170 linear feet of 18" CMP  
Install 130 linear feet of RCP  
Open channel 71 linear feet  
Install sanitary sewer line, water line, gas line  
Stormwater outfall from special V shaped ditch

STR2

Remove 34 linear feet of 42" RCP  
Install 95 linear feet of 8'x4' RCBC  
10' of riprap at outlet  
Install sanitary sewer line, water line, gas line

Mitigation: 225 linear feet of in-system stream mitigation through TN Stream Mitigation Program

STR-3 Unnamed tributary to Ryall Springs Branch

Latitude: 35.0013      Longitude: -85.1296

Remove 25' of 28" pipe

Relocate 265 linear feet of channel

Install 57 linear feet of 30" pipe

Mitigation: 297 linear feet of in-system stream mitigation through TN Stream Mitigation Program

WTL-1

Latitude: 35.0023      Longitude: -85.1270

Permanent fill of 0.136 acres of wetlands

Roadway fill and utility line crossing

Mitigation: Permanent wetland impacts will be mitigated at a 4:1 ratio at the Sequatchie Valley Wetland Mitigation Bank

WTL-4

Latitude: 35.0059      Longitude: -85.1258

Permanent fill of 0.006 acres of wetlands

Roadway fill and utility line crossing

Mitigation: Permanent wetland impacts will be mitigated at a 4:1 ratio at the Sequatchie Valley Wetland Mitigation Bank

WTL-1A

Latitude: 35.0014      Longitude: -85.1295

Permanent fill of 0.01 acres of wetlands

Roadway fill and utility line crossing

Mitigation: Permanent wetland impacts will be mitigated at a 4:1 ratio at the Sequatchie Valley Wetland Mitigation Bank

WTL-1B

Latitude: 35.0024      Longitude: -85.1274

Permanent fill of 0.035 acres of wetlands

Temporary fill of 0.044 acres

Roadway fill and utility line crossing

Mitigation: Permanent wetland impacts will be mitigated at a 4:1 ratio at the Sequatchie Valley Wetland Mitigation Bank.

WTL-1C

Latitude: 35.0027      Longitude: -85.1270

Permanent fill of 0.02 acres of wetlands

Roadway fill and utility line crossing

Mitigation: Permanent wetland impacts will be mitigated at a 4:1 ratio at the Sequatchie Valley Wetland Mitigation Bank

WTL-3

Latitude: 35.0029      Longitude: -85.1264

Permanent fill of 0.033 acres of wetlands

Temporary fill of 0.044 acres

Roadway fill and utility line crossing

Mitigation: Permanent wetland impacts will be mitigated at a 4:1 ratio at the Sequatchie Valley Wetland Mitigation Bank

WTL-2

Latitude: 35.0033      Longitude: -85.1258

Permanent fill of 0.051 acres of wetlands

Temporary fill of 0.028 acres

Roadway fill and utility line crossing

Mitigation: Permanent wetland impacts will be mitigated at a 4:1 ratio at the Sequatchie Valley Wetland Mitigation Bank

STR-4 Ryall Springs Branch

Latitude: 35.0038      Longitude: -85.1257

Remove existing wooden bridge

Install 24' linear feet of 18' x 5' concrete slab bridge

Install 80 linear feet of retaining wall

STR-5 Unnamed tributary to Ryall Springs Branch

Latitude: 35.0059      Longitude: -85.1211

Removal of 140 linear feet of culverts

Relocate 930 linear feet of channel

Install 188 linear feet of 8'x3' box culvert and 8' of riprap at outlet

Install 16 linear feet of 6'x3' precast concrete box culvert

Install 51 linear feet of 6'x3' precast concrete box culvert

Install 6" telephone line

Sanitary sewer line, 2 water lines, 2 gas lines, and 11 stormwater outfalls along STR5  
Mitigation: 930 linear feet of in-system stream mitigation through TN Stream Mitigation Program

**DEGRADATION:** In accordance with the Tennessee Antidegradation Statement (Rule 0400-40-03-.06), the division has determined that the proposed activities will not result in degradation to water quality.

**WATERSHED / WATERBODY DESCRIPTION:** This activity is located in the Lower Tennessee River Watershed (06020001). The Tennessee portion of the Lower Tennessee River Watershed is located in Tennessee, Georgia and Alabama. The Tennessee portion of the Lower Tennessee River Watershed includes parts of Bledsoe, Bradley, Hamilton, Loudon, McMinn, Meigs, Rhea, Roane and Sequatchie counties. It drains approximately 1,870 square miles, 1,201 square miles of which are in Tennessee. There are 111 known rare plant and animal species in the Tennessee portion of the Lower Tennessee River Watershed. For more information about this watershed, please visit the division's website at <http://www.state.tn.us/environment/water/watersheds/lower-tennessee-river.shtml>.

**Stream Name / ID #:** Ryall Springs Branch and Unnamed tributaries to Ryall Springs Branch (TN06020001007\_0310)

**Ecoregion:** 67f Southern Limestone/Dolomite Valley and Low Rolling Hills

These are small streams with shallow flow ranging from 6" to 2' deep in pools. They are typically characterized by low banks that range from several feet up to 15 feet wide, and a few feet deep with sediment/shale/cobble substrates. These streams are considered Exceptional Tennessee Waters due to the potential presence of a state listed endangered species, the Chickamauga Crayfish. TDOT will offset these impacts by mitigating with the Tennessee Stream Mitigation Program within the HUC12, Friar Branch.

The wetlands are typical slope and flat wetlands characterized by scrub/shrub of native vegetation. All wetlands within the right-of-way are low functioning wetlands with an unavailable for additional impacts to these resources. TDOT will offset these losses by mitigating at a 4:1 ratio to the Sequatchie Valley Wetland Mitigation Bank.

**Assessment Date:** 2014

**PERMIT COORDINATOR:** Vena Jones

**FACTORS CONSIDERED:** In deciding whether to issue or deny a permit, the department will consider all comments of record and the requirements of applicable federal and state laws. In making this decision, a determination will be made regarding the lost value of the resource compared to the value of any proposed mitigation. The department shall consider practicable alternatives to the alteration. The department shall also consider loss of waters or habitat, diminishment in biological diversity, cumulative or secondary impacts to the water resource, and adverse impact to unique, high quality, or impaired waters.

**COMMENTING:** Persons wishing to comment on the proposal are invited to submit written comments to the department. Written comments must be received within **thirty days of the date that this notice is posted**. Comments will become part of the record and will be considered in

the final decision. The applicant's name and permit number should be referenced. Send all written comments to the department's address listed below and to the attention of the permit coordinator.

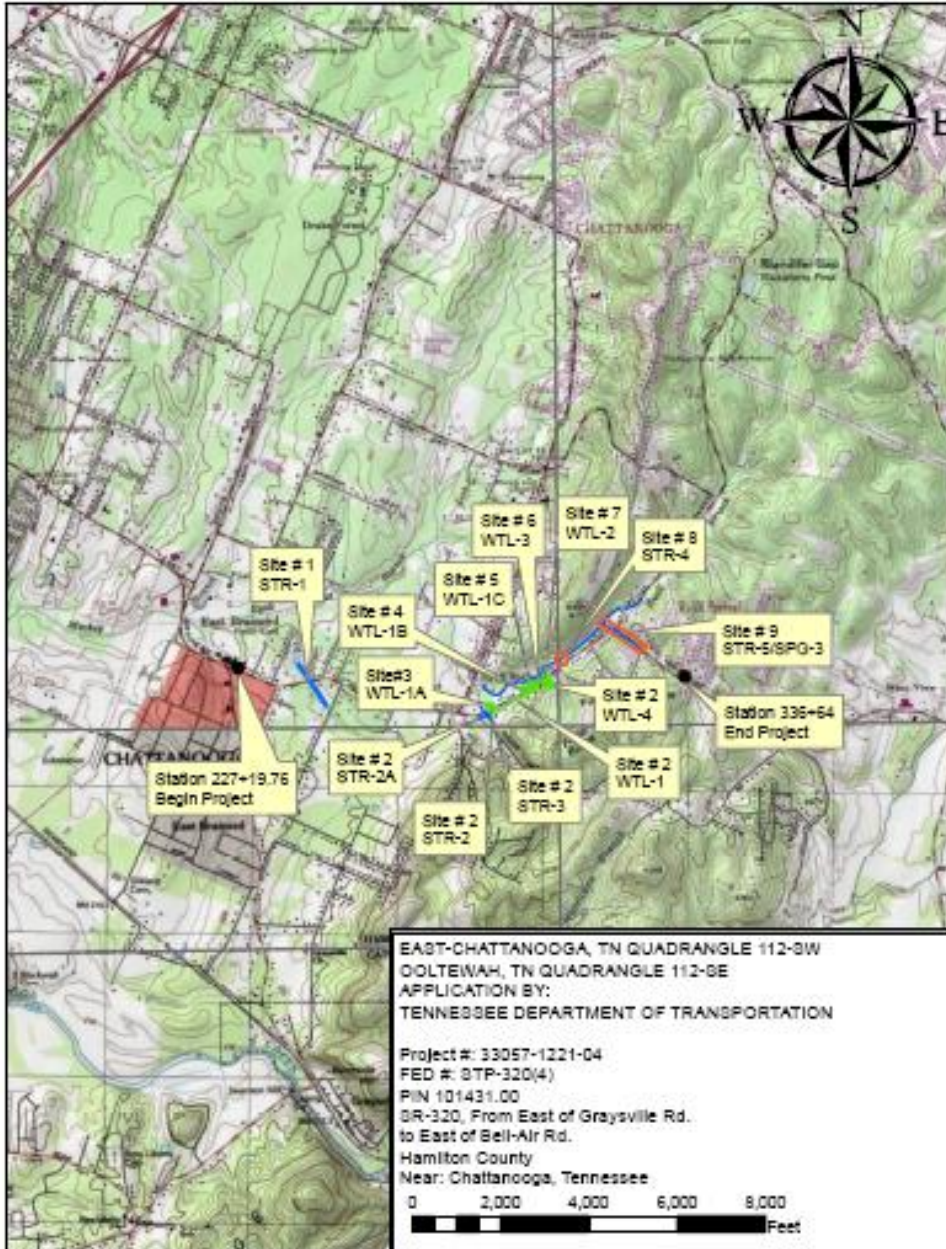
**PUBLIC HEARING:** Interested persons may request in writing that the department hold a public hearing on this application. The request must be filed within the comment period, indicate the interest of the person requesting it, the reasons that the hearing is warranted, and the water quality issues being raised. When there is sufficient public interest in water quality issues, the department will hold a public hearing. Send all public hearing request to the department's address listed below and to the attention of the permit coordinator.

**APPEAL:** A permit appeal may be filed, pursuant to T.C.A. §§ 69-3-105(i) and Rule 0400-40-05, by the permit applicant or by any aggrieved person who participated in the public comment period announced by this notice. This petition must be filed within THIRTY (30) DAYS after public notice of the issuance of the permit. The petition must specify what provisions are being appealed and the basis for the appeal. It should be addressed to the technical secretary of the Tennessee Board of Water Quality, Oil and Gas at the following address: Tisha Calabrese Benton, Director, Division of Water Resources, William R. Snodgrass Tennessee Tower, 312 Rosa L. Parks Ave, 11<sup>th</sup> floor, Nashville, TN 37243. Any hearing would be in accordance with T.C.A. §§69-3-110 and 4-5-301 et seq.

**FILE REVIEW:** The permit application, supporting documentation including detailed plans and maps, and related comments are available at the department's address (listed below) for review and/or copying.

Tennessee Department of Environment & Conservation  
Division of Water Resources, Natural Resources Unit  
William R. Snodgrass Tennessee Tower  
312 Rosa L. Parks Avenue, 11th Floor  
Nashville, Tennessee 37243

## Location/Topographic Map



## Site Designs

